

Title (en)
Blade tip clearance control apparatus

Title (de)
Spielkontrollvorrichtung für Schaufelspitzen

Title (fr)
Dispositif de réglage du jeu à l'extrémité d'aubes

Publication
EP 0874134 A3 19991215 (EN)

Application
EP 98302822 A 19980409

Priority
US 83781997 A 19970422

Abstract (en)
[origin: US5791872A] A blade tip clearance control apparatus (10) comprises a plurality of circumferentially arranged spaced wall members (16) located adjacent the rotor path of a plurality of rotor blades (14). Each wall member (16) is mounted on a carrier (18) attached to an annular casing (22) radially outward thereof. Thermal expansion or contraction of the carrier (18) causes radial movement of the wall members (16). The wall members (16) have at least one fluid passage (20) therein. In operation a flow of fluid passing through the fluid passages (20) causes either thermal expansion or contraction of the wall member (16) to different radial positions.

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F01D 11/24

IPC 8 full level
F01D 11/24 (2006.01)

CPC (source: EP US)
F01D 11/24 (2013.01 - EP US)

Citation (search report)

- [X] SU 171699 A
- [X] US 5154578 A 19921013 - MIRAUCOURT CARMEN [FR], et al
- [X] FR 2534982 A1 19840427 - SNECMA [FR]
- [A] EP 0509802 A1 19921021 - GEN ELECTRIC [US]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5791872 A 19980811; CA 2234862 A1 19981022; CA 2234862 C 20070619; DE 69811757 D1 20030410; DE 69811757 T2 20031002; EP 0874134 A2 19981028; EP 0874134 A3 19991215; EP 0874134 B1 20030305

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